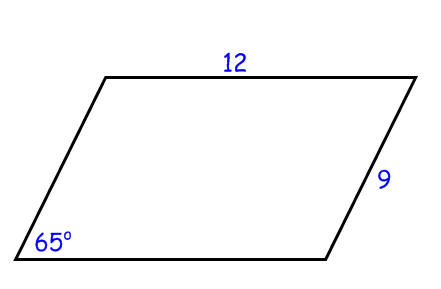
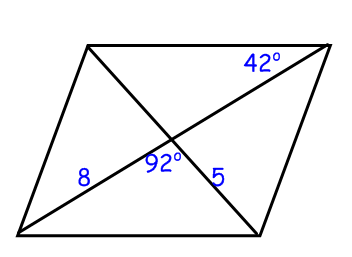
Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_ Per.: \_\_\_\_\_\_\_\_

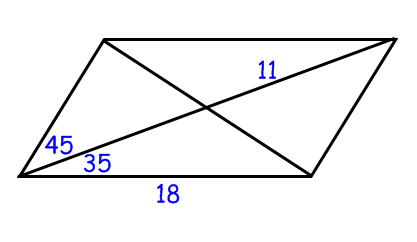
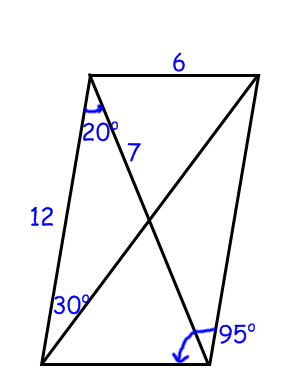
**7.2 Properties of Parallelograms and Solving Problems**

1. Which properties are true of all four quadrilaterals in the parallelogram family?
2. Which properties are true of only one quadrilateral in the parallelogram family?
3. Is a square a rectangle?
4. Is a square a parallelogram?
5. Is a square a rhombus?
6. Fill in the parallelogram family tree.

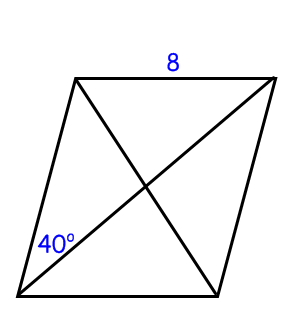
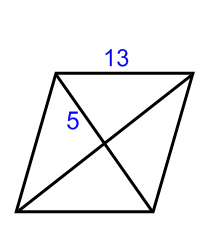


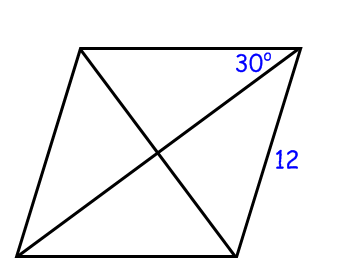
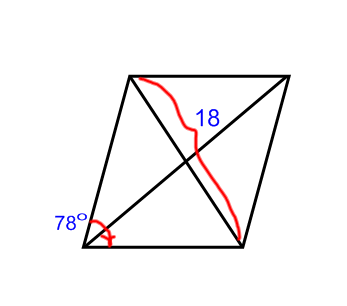
I. Each figure is a ***PARALLELOGRAM***. For each figure find the value of a, b, and c.

1.  2. 

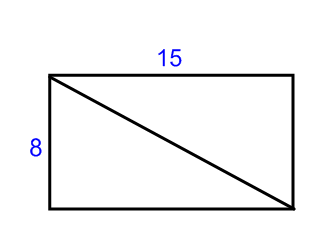
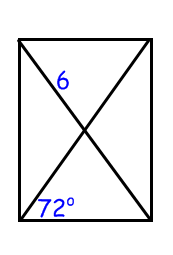
3.  4. 

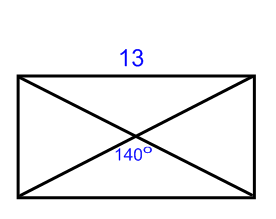
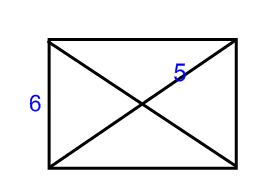
II. Each figure is a ***RHOMBUS***. For each figure fill in all the possible information.

1.  2. 

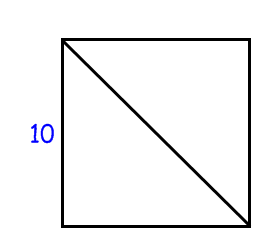
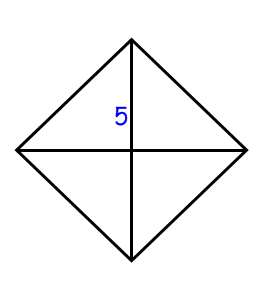
3. 4. 

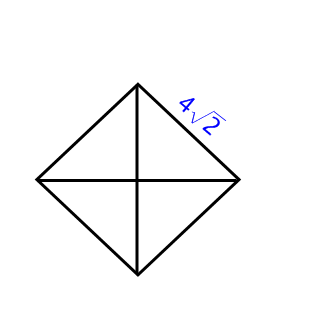
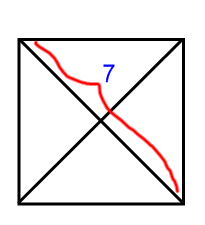
III. Each figure is a ***RECTANGLE***. For each figure fill in all the possible information.

1.  2. 

3.  4. 

IV. Each figure is a ***SQUARE***. For each figure fill in all the possible information.

1.  2. 



3. 4.

\*\*5. BLUE is a square with diagonals intersecting at S. BL = 12. Find the measures

of the missing segments and angles.

\*\*6. LOVE is a square. Find the values of x and y:

